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KETURN TO POMULUGY SECTION OF NOMENCLATURE

WINCIEIA E + JUL 2 1 192 € ★ U. S. D. cartn ent of Agriditure

Tree, Shrub and Fruit Seeds

FOR

Ornamental and Forestry Purposes

PRICE LIST

1916-1917

CONYERS B. FLEU, JR. TREE SEEDSMAN GERMANTOWN, PHILADELPHIA U. S. A.

## Tree and Shrub Seeds

The general method to pursue in the propogation of trees and shrubs from seed is to plant those seeds of Conifers and Evergreen Trees in the Spring, while those of a Deciduous nature in the Fall. Carefully select a fine, sandy loam and make the beds three feet in width and sow the seeds broadcast; after sowing cover to the depth of about the thickness of the seed with light sandy soil and gently press the beds with the back of a spade to bring the earth in contact with the seeds. Shade is an essential, as seeds germinate best in darkness; this can be accomplished by either making lath sash or covering them with forest leaves, keeping them in place by a light skeleton frame. The leaves or sash should be removed as soon as the seedlings begin to appear, as light is needed.

To preserve seed of Conifers and Evergreen Trees until the proper sowing season, mix them in dry sand. Should it be impossible to plant the Deciduous seeds in the Fall, they will keep in excellent condition by mixing them in slightly moist soil; keep the soil in a damp condition until ready to sow.

Deciduous seeds which have hard shells such as Gymnocladus, honey and black locust, if not sown in the Fall, are best soaked for a day or so and then at once sown.

NOTICE! Every effort is extended to secure and collect only the very best seeds, but it is known that some seeds are occasionally wormy, such as Quercus, and Castanea. This defect, however, cannot be detected until after the worm has eaten its way out, which often is after the seeds have been shipped. While on the other hand, there are trees such as Liriodendron, Sugar Maple, and etc., that never perfect all their seeds. The imperfect seeds can not be separated. With this in view and the many known and unknown causes which prevent seeds from germinating, all seeds are sold without any warranty, expressed or implied, as to quality, productiveness or any other matter of any seeds, and in no way will I be responsible for crop conditions. All orders are accepted on these conditions. Should any cause for complaint arise on receipt of shipment notice must be sent within one week of same, otherwise it is understood that the goods are accepted.

CONDITIONS. As I collect but few more seeds than are ordered, all offers and acceptances of orders are subject to the condition of the season's crop, and failing to get the seeds expected or the quantities ordered from my growers and collectors, I reserve the right to reduce proportionately all orders that have been booked.

SHIPPING FACILITIES. Small orders can be sent to all parts of the world by sample post and to nearly every country by parcel post. Shipments are dispatched very quickly owing to my warehouse being closely connected with the forwarders of New York and Philadelphia ports. The cost of postage, bags and boxes is charged additionally.

TERMS. My terms are cash with order or satisfactory references must be supplied.

RATES. One quarter bushel sold at the bushel price, one quarter pound sold at the pound rate.

SPECIAL PRICES. Those requiring large quantities of seeds will be given special prices.

## CONYERS B. FLEU, JR. TREE SEEDSMAN GERMANTOWN, PHILADELPHIA U. S. A.

CABLE. ADDRESS FLEU, PHILA. A, B, C CODE 4th & 5th Edition

I DIV.	N 10 PO	MOLOGY	EVERGRE	ENS.		215	1 4 3
Abi	es (Picea)	Camba WHR	California Fi	_		er lb.	Per oz. \$0 30
	" "		Arizona Co				50
61			Balsam Fir				15
66		brachyphy	lla			3 50	30
66			a				2 00
66	"	Bracteata	California Sil	ver Fir	1	1 75	1 00 20
66			Colorado Silv			1 80	20
6.6			anese			2 50	25
66			ouble Balsam				35
66			acific Coast I				35
6		magninca,	Pacıfic Coast Japan Silver	: F1 <b>r</b> Fir		3 00 4 50	30 50
61	66	nobilis. Pa	cific Coast Fi	r		3 50	35
			niana, Nordn				15
			European Si			85	10
6.			sis, Saghalier				50
61		Umbellata				4 50	50 40
61	66					4 00	40
Ara	ucaria exc					2 00	20
Arc	tostaphylo	s glauca				1 25	15
	"					1 25	15
	"		a			2 25 3 00	20 30
Ret	heris Aqui		 honia)			1 25	15
DCI						2 50	25
Bra						1 25	15
			n			1 00	15
						1 75	20 15
	Tobus					1 50 3 00	30
Bu			x			1 75	15
_			las Cedar			2 25	25
	" Deoda	ra, Deodar	Cedar			2 25	25
	Libaiii	, Cedar Lel	banon	• • • • • • • • • • • • • • • • • • • •		2 25	25 15
Cin	naiotaxus	Camphora	Camphor Tr			1 50 1 25	15
Cra	taegus Pv	racantha. E	vergreen Th	orn		85	10
			panese Cedar			1 50	20
-			- 			2 65	25
_	" Go	veniana				3 00	30
		adalupensis				3 50	35
	Bei	nthamiana				2 75 3 00	30 30
			Lawson's Cyp			3 00	30
		idleyi	·······································				35
	" ma	crocarpa, N	Monterey Cyp	oress		1 25	20
		Nabiana				3 00	30
	nut		• • • • • • • • • • • • • • • • • • • •			2 00	1 25 15
			• • • • • • • • • • • • • • • • • • •			3 25	35
			te Cedar			3 75	30
Eu					0 25	8 00	80
	co	rynocalyx	• • • • • • • • • • •	66	23	8 00	75
	ñ gi		• • • • • • • • • • • • • • • • • • • •	66	25 25	4 00 5 00	40 50
	//			66	25	7 00	75
	" of			"	25 1	0 00	1 00
	" re	sinifera		**	25	8 00	80
	11			66	25	4 00	40
	IC		• • • • • • • • • • • • • • • • • • • •	66	25 25	4 00	40 50
Ga	V-1	ca			25	4 50	75
			Winter Green		y	1 50	15
	" Sh	allon				3 50	35
Ile	x Aquifoliu	ım, English	ı Holly			85	10
"	crenata,	Japan Holl	ly			3 00	30 <b>10</b>
	opaca. A	merican no	olly			30	10

	EVERGREENS—Continued.	Per oz.
Juniper	rus Chinensis, Chinese Juniper 1 50	15
	Californica	30 10
"	monosperma 1 00	10
6.6	occidentalis, Western	20
	pachyphlaea	10 10
6.6	Pinchoti	25
66	rigida, Japan Cedar	35
**	sabinoides       2 25         scopulorum       1 50	25 15
6.6	Sabina, Savin Juniper 1 50	15
"	suecica, Swedish Juniper	15 10
Kalmia	Virginiana, Red Cedar	50
66	latifolia, Sheep Laurel 5 00	50
Laurus	nobilis, Sweet Bay	16 30
Magno	drus decurrens	15
Nuttall	ia cerasiformis 3 00	30
Oreoda	phne Californica, Cal. Nutmeg	10 30
	a arbutifolia	15
Picea (	(Abies) alba, White Spruce 3 00	30
66	" Alcoquiana, Japanese Spruce	45 45
"	" bicolor, from Japan 4 50	50
"	" Engelmanni 4 00	40
66	" excelsa, Norway Spruce	1520 60
"	" Hookeriana 9 00	75
"	" nigra, Black Spruce 3 50	35
66	" Orientalis, Oriental Spruce	40 35
"	" polita 4 00	40
"	" rubra, Red Spruce 3 00	30
	Sitchensis (Menziesii)	35 35
"	aristata, Colorado Foxta l Pine 2.60 4 00 Austriaca, Austrian Pine 2.60 150	- 1520
**	Banksiana, Jack Pine 4 00	40
	Benthamiana3 00Canariensis, Canary Island Pine2 50	10 25
66	cembra, Swiss Pine	10
* 6	cembroides, Mexican Stone Pine 4 25	50
	contorta	<b>50</b> 30
4.6	densiflora, Japanese Pine	20
	edulis, Pinyon Pine	15 35
66	Hexilis, Colorado Pine	30
66	insignis, Monterey Pine 2 25	25
	Jeffreyi         2 50           Koraiensis         2 50	25 -25
6.6	Lambertiana, Sugar Pine	20
"	Laricio	25
	Massoniana       2 00         mitis       4 00	20 40
66	monophylla, Single Leaf Pine	25
	monticola, Pacific Coast White Pine	35 <b>2</b> 5
	Mughus, Dwarf Mountain Pine	50
66	Murryana, Lodgepole Pine	50
	Nelsoni	50 30 23
"	Parryana, Mexican Pinyon	40
	Pentaphylla, from Japan	40
"	Pinea	10 <b>2</b> 5
6.6	ponderosa (from Colorado) (scopulorum) 2 50	25

EVERGREENS—Continued	
Per h	Per oz
Pinus pumia, from Japan	40
" resinosa, Red, Norway Pine 2 50 " rigida, Pitch Pine 2 50	50 25
" Sabiniana, Pine	15
" Strobus. White Pine	20
" sylvestris. Scotch Pine	20
" taeda, Loblolly Pine	40
" Thunbergii       2 50         " Torreyana       3 00	25 30
" tuberculata	40
Podocarpus Chinensis	25
Prinos glaber, Ink Berry 1 00	10
Prunus (Cerasus) Caroliniana	10
" ilicifolia, Holly Leaf Cherry 1 00	10 15
" "integrifolia, Entire Leaf Cherry 1 50 Pseudotsuga Douglasii, Douglas Spruce	30
" " (Colorado) 3 25	25
" macrocarpa 4 50	45
Retinispora obtusa	25
" pisifera 2 50 Rhododendron Catawbiense, Mountain Laurel 4 00	25 60
Rhododendron Catawbiense, Mountain Laurel 4 00	50
" maximum " " 3 00 Sabal Adansoni, Palm	10
" Palmetto. Palm 1 00	10
" serrulata, Saw Palm 1 00	10
Sciadopitys verticillata, Umbrella Pine 4.5.3.350	- 35 pt -
Sequoia gigantea. California Big Tree. 7. 3. 0. 6.50 3.00	30
Taxus baccata, English Yew 1 50	15
" brevifolia, California Yew 9 00	1 00
" cuspidata	35
occidentalis. American 225	25
" orientalis, Chinese "	10
" aurea, Chinese Golden " 1 25	15
Thujopsis Dolabrata (From Japan) 6 00	60
" Standishi	75 15
" nucifera (From Japan)	15
Tsuga (Abies Canadensis, Hemlock Spruce 4 00	40
" Diversifolia (From Japan) 4 50	45
"heterophylla       9 00         "Mertensiana, Western       7 00         "Pattoniana       7 00         "Sieboldi, Japanese       4 50         Ulex Europaea, Furze       1 50	75 70
" Pattoniana	75
" Sieboldi, Japanese " 4 50	45
Ulex Europaea, Furze	15
lucca angustifolia, Adam's Needle 2 25	3.) 45
" baccata " "	1 00
" filamentosa " "	20
Whipplei " 4 00	40
DECIDUOUS TREES AND SHRUBS.	
Acer campestre.  Per b. 75	Per oz.
" circinatum 2 50	25
dasycarpum. Silver " 1 00	1.5
"Ginnale 2 00	25 15
" glabrum 1 50 macrophyllum, Cregon " 1 00	15 15
" negundo " 75	10
platanoides. Norway " - 50	10
pseudo-platarus Sycamore " 50	10
rubrum Red 1 (n)	1)
" raccharinum, Sugar " 75 " piontum, Mountain " 75	10
" striat m. Striped " 1 50	15
Ailanthus glandulosa. Tree of Heaven	19
Albizzia Julibrissin Mimosa or Paradise Tree	15
Alnus glutiposa, Alder	10

DECIDUOUS TREES AND SHRUBS-Continued.	D
Alnus Oregonia (clean seed)	Per oz. 75
" serrulata, Swamp Alder 75 Amelanchier Botryapium 75	• 15° 2
" alnifolia 3 00	30
Amorpha canescens	10 10
Andromeda axillaris	60
" calyculata	60 50
" floribunda	50
" ligustrina	60
" Mariana " nitida	60 50
"· racemosa	1 00
" speciosa	,1 00 25
" spinosa, Angelica Tree	10
Arbutus Arizonica 1 25	15
"Menziesii       2 00         Ardisia crispa       3 00	20 30
" Japonica 3 00	3:)
Asimina triloba, Papaw	10 75
Azalea arborescens	75 75
" mollis	75
" nudiflora viscosa	75 75
Baccharis halimifolia, Groundsel Shrub	1 00
Berberis Fremonti, Silver-leaved Barberry 5 00	50 50
" nervosa	15
" vulgaris, Common Barberry 1 00	15
" " purpurea, Purple Barberry 1 50 Betula alba, European White Birch	15 15
" excelsa, Yellow " 2 00	20
" lenta, Sweet "	15 20
" populifolia. Poplar " 100	15
1 abra, <b>Red</b> 1 50	15
Callicarpa Americana         85           " purpurea         2 00	10 20
Calycanthus floridus laevigatus, Sweet Shrub 75	10
" occidentalis, Western " 2 25 Camellia Japonica	25 15
Camellia Japonica	20
Caragana arborescens, Siberian Pea	10
Carpenter'a Californica	1 <b>7</b> 5 10
"Betulus, European " 85	10
Carya alba, Shellbark Hickory. per hushel, \$4 00 15	
" amara, Bitter-nut " " " 3 50 " olivæformis, Pecan-nut " " 8 00 40	
" porcina, Pig-nut " " 4 00 15	
" sulcata, West'n Shellbark " " 3 50 15 " tomentosa, White " " 3 00 15	
Cassia Marilandica, Wild Senna	15
Catalpa bignonioides, Eastern Catalpa 1 50	15
" speciosa. Western Catalpa. This is the true forest tree speciosa, guaranteed true to name 1 75	20
Ceanothus Americanus (clean)	20
" divaricatus	1 00
" spinosus 1 00	10
"thyrsiflorus 200	20
Celtis occidentalis, Nettle Tree	17 15
Cephalanthus occidentalis	10
Cerasus. See Prunus. Cercis Canadensis, Judas Tree	10
octors canadensis, judas free 1 00	1:0

DECIDUOUS TREES AND SHRUBS—Continue	ed.
Cercis occidentalis, Western Judas	00 30
Cerciduim Torre, anum	20 10
Cercocarpus parvifolius	75 00 20
Chionanthus Virginica, White Fringe	50 15
" Sour Orange	50 15
Cladrastis tinctoria Virgilia	50 35
Clethra alnifolia, Sweet Pepper Bush	00 10
Culture albutoscons	06 15 75 10
" circinata	, 0
" florida, Large White Dogwood	50 10
" Mas. Cornelian Cherry	75 10
" Nuttalli, Pacific Coast Dogwood	25 15 75 10
	75 10 75 10
" Stolonifera	75 10
Tarvius Americana Hagal Nut	50 10
Cratægus coccinea, White Thorn, berries	50 10
" cordata, Washington " "	75 10
" crus-galli, Cockspur " "	50 10
	00 10
Cytisus Scoparius. Scotch Broom	00 15
Diospyros Kaki, Japan Persimmon	50 15
" Virginiana, Persimmon	50 10
	00 10 25 15
	25 15
Exochorda grandiflora, Pearl Bush	00 20
Fagus ferruginea, American Beech	75 10
sylvatica. European " 1	00 10
	75 30
	50 25 75 10
"Arizonica	
" excelsior, European "	75 10
" Oregona 2 (	00 20
	75 15 75 10
" pubescens, Red "	75 10 50 15
" sambucifolia Black " 1	50 15
	75 10
	00 60
	50 75 25 15
	50 10
	50 15
Gymnocladus Canadensis, Kentucky Coffee	60 10
Halesia diptera, Snowdrop Tree	
A.	75 10 00 10
	00 10
	50 15
Hydrangea arborescens	50 15
	50 20
	15 35
	50 50
" nigra Black Walnut " " 2 00	15
" regia, English " " " 8 00 (	30
Tupestris, Arizona vvainut / 50	50
Sieboldii (From Tapan	50 75 <b>15</b>
Larix Americana, American Larch. Price on application.	3 13
Europæa, European Larch 2 (	00 20
leptolepis. Japanese " 3	
Larix occidentalis. Western I arch	00 2 00

DECIDUOUS TREES AND SHRUBS-Conti	nued. Per lb.	Per oz.
Laburnum vulgare	1 00	15
Lindera Benzoin, Spice Bush	. 75	15
Lagerstræmia Indica	. 75	60 10
Liquidambar styraciflua, Sweet Gum	2 50	25
Liriodendron tulipifera, Tulip Tree	60 1 50	15 25
Lonicera Tartarica		10
Magnolia acuminata		15
" Fraseri		50 15
" glauca, Sweet Bay grandiflora, Evergreen		10
" hypoleuca	2 50	25
" Kobus (From Japan)		25 20
" tripetala		20
Melia umbraculiformis, China Tree	1 00	10
Morus alba, White Mulberry		15 50
" rubra " tatarica, Russian "	2 50	25
Myrica Californica, Wax Myrtle	2 50	25
Nandina domestica (From Japan)	1 25	15 30
Negundo aceroides, Ash-leaved Maple (Western)	75	10
Nyssa aquatica, Sour Gum	75 50	10
" multiflora " "	50 75	10 10
Ostrya Virginica, Iron Wood	1 25	10
Oxydendrum arboreum (Andromeda)		30 25
" microphylla		20
" Torreyana	2 50	25
Paulownia imperialis, Empress Tree Phellodendron Amurense	1 50 75	25 19
Platanus occidentalis, American Plane	50	10
" orientalis, Oriental "	50 1 25	10 10
Populus Wislizeni	1 25	15
Prinos glabra	75	10
Prinos verticillatus, Deciduous Holly Prosopis juliflora, pods, Mesquite Bean	75 1 25	10 15
" pubescens, pods, Tornio Bean		15
Prunus Americana, Wild Plum	75	10
" maritima, Beach " Pennsylvanica	1 50	15 10
" serotina, Wild Cherry	50	10
"Virginiana	75	10
Ptelea trifoliata, Hop Tree Pyrus Americana, American Mountain Ash	50 1 25	10 15
" Aucuparia, European " "	75	10
" arbutifolia" coronaria	75	10
" 1 1 0 0	50 3 00	10 30
Quercus alba, White Oakper bushel, \$4 00	20	
" agrifolia 5 50	75	
" bicolor, Meadow " " " 4 00	40 20	
" Catesbæi " " 4 50	40	
" Cerris, Turkey " 7 50 chrysolepis	30 75	
"cinerea, Upland Willow Oak" 7 00	40	
" coccinea, Scarlet Oak " " 5 00	20	
"falcata, <b>Spanish</b> "" "4 00 "Garryana	20 75	
" ilicifolia, Scrub, " " 6 50	25	
" imbricaria. Laurel " " " 6.50	25	
" laurifolia. Southern Laurel Oak " 7 00	35	

DECIDUOUS TREES AND SHRUBS-	-Conti	nued.	Per oz
Ouercus lyrataper bushel		25	1 0, 02
" Michauxii"	4 00 4 25	35 25	
" macrocarpa, Burr Oak" " " nigra, Black Jack Oak" "	4 00		
" obtusiloba, Post " " "	5 50		
" palustris, Pin	6 00		
" Phellos, Willow " " " " " " " " " " " " " " " "	4 00		
" Robur, English " " "	5 00		
" rubra. Red " " " Texana " " "	3 50 7 00		
" tinctoria, Black " " " Wislizeni	4 00		
Rhamnus Californica	=	2 00	20
" Caroliniana, Buckthorn " cathartica		75 1 00	10 10
" cathartica " " Frangula "		1 00	10
" Purschiana "		3 00	30
Rhus aromatica		75	10 10
" copallina Shining Sumach " Cotinus, Mist Bush		50 1 75	20
" glabra, Smooth Sumach		50	10
" laurina		2 00 50	20 10
" typhina, Stag's Horn Sumach		7 00	75
" cereum		4 00	50
" lacustre		4 00 2 50	50 25
" sanguineum, Flowering Currant		2 30	75
" pseud-acacia, Yellow or Black Locust		50	10
Romneya Coulteri			75
Rosa blanda "lucida		1 00	10 10
" Carolina		4 00	10
" gymnocarpa		4 00	40
" rugosa wild Prairie Rose		1 00	10 10
Rubus leucodermis			50
" nvtkanus	٠	6 00	7.5
" spectabilis"  " vitifolius		9 00 4 00	1 00
Salisburia adiantifolia, Ginkgo		75	10
Sambucus Canadensis, Elder		75	10
" glauca racemosus		0 00	25 30
Sapindus marginatus, Soap-berry		1 50	15
Sassafras officinale Schinus molle		75 1 00	10 10
Sophora Japonica, Pagoda Tree		75	10
Spiræa opulifolia		3 00	30
" tomentosa		2 50	30 25
Staphylea trifolia, Bladder-nut		1 25	20
Stuartia pentagyna		2 00 1 50	20 15
'' Obassia		3 00	30
Syringa villosa, Chinese Lilac		1 50	15 15
Taxodium distictum, Deciduous Cypress			10
Tilia Americana, American Linden		75	10
" Europaea, European " Ulmus Americana, American Elm		1 00	15 10
" campestre, European "		85	10
" fulva, Slippery "" " montana, Scotch "		2 25 1 25	25 15
Vaccinium arboreum, Bush Huckleberry		1 50	15
" corymbosum " "		2 00	20

DECIDUOUS TREES AND SHRUBS—Continued	
Vaccinium macrocarpon, Cranberry, clean seed	Per oz. 2 50
" ovatum 3 00	30
" Pennsylvanicum, <b>Huckleberry</b> 1 50 stamineum	15 15
Viburnum acerifolium	10
" cassinoides 1 25	10
" dentatum	10
" Lantana	15 15
" nudum 1 25	15
" Oxycoccos	15
" prunifolium	10 20
VINES AND CLIMBERS.	20
Akebia guinata	30
Ampelopsis heterophylla variegata, Variegated Grape	\$0 50
"Veitchii, Japan Creeper 50	10
" Virginica, Virginia "	10
Clematis flammula, Sweet Clematis	25
" coccinea, Scarlet Clematis	1 25
" paniculata, Japanese Clematis	<b>25</b> 30
" vitalba, English Clematis	15
Hedera Helix Ivv	10
Menispermum Canadense, Moon Seed 1 50 Passiflora incarnata, Passion Flower 2 00	15 20
Pueraria Thunbergiana, Kudzu Vine	45
Smilax glauca 1 75	20
" hispida       1 25         " laurifolia       1 25	15 15
" rotundifolia	15
" tamnoides 1 25	15
" Walteri	15 15
Vitis. See Fruits.	13
Wistaria frutescens	20
" magnifica       2 00         " sinensis       2 00	20 20
FRUITS.	20
Apple, French Crab. Prices per bushel on application 50	
Cherry Mahaleb, \$18.00 per bu.; 3 bus. at \$17.00 per bu 50	
Chestnut, American 30 Spanish 35	
Grape, Vitis æstivalis	10
" coignetiæ Japanese Wild Grape 4 00	40
" " cordifolia	10 10
" riparia 1 00	10
" rotundifolia	20
Hazel Nut, American50Mulberry, White1 50	15
" Russian	25
Orange Sour	15
Peach pits.       Natural, per bu., \$2.75	
" Japan 2 50	
" Kieffer 3 25	30
Pecan Nut	
Shellbarkper bushel, \$4 00 20	
Walnut, Black " " 2 00 15	
" English " " 8 00 30	
" Japan 50	

Where seeds are to go by mail, add 9 cts. per lb. to cover postage.